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PART II

ENVIRONMENTAL PROTECTION AGENCY

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MOTOR VEHICLES

Federal Certification Test Results for 1972 Model Year

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Federal Certification Test Results for 1972 Model Year

Section 206(e) of the Clean Air Amendments of 1970 directs the Administrator of the Environmental Protection Agency to announce in the FEDERAL REGISTER the results of certification tests conducted on new motor vehicles to determine conformity with Federal standards for the control of air pollution caused by motor vehicles.

FEDERAL EMISSION STANDARDS

The standards that apply to the control of emissions from 1972 model year vehicles were prescribed as regulations on November 10, 1970. These regulations, appearing at 40 CFR Part 85, set maximum allowable emission levels for new gasoline fueled heavy-duty engines (for use in trucks and buses), diesel fueled heavy-duty engines (for use in trucks and buses), and gasoline fueled light-duty vehicles (automobiles). Heavy-duty gasoline fueled engines are required to meet emission standards of 275 parts per million (p.p.m.) for hydrocarbons (unburned gasoline) and 1.5 percent for carbon monoxide (a poisonous gas). Heavy-duty diesel engines must meet Federal smoke emission standards of 40 percent opacity during acceleration and 20 percent opacity during lugging. These opacity standards limit the darkness of the exhaust smoke to a light gray haze.

The standards for automobiles prohibit all crankcase emissions, and limit allowable exhaust emissions and evaporative emissions from the fuel system. The exhaust standards allow 1972 automobiles to emit no more than 3.4 grams per mile of hydrocarbons and 39.0 grams per mile of carbon monoxide from the tailpipe. To meet the evaporative emission standard, automobiles must be equipped with systems to limit the loss of gasoline by evaporation from the carburetor and the fuel tank to less than 2 grams per test.

FEDERAL CERTIFICATION PROCEDURES

Under the provisions of the Clean Air Act, it is unlawful to offer for sale new motor vehicles which are not in conformity with Federal regulations. Prior to the beginning of each model year, automobile manufacturers apply to the Administrator of the Environmental Protection Agency for a Certificate of Conformity for each model they wish to produce for that year. The Federal regulations prescribe a number of requirements which a manufacturer must meet before the Administrator will grant certification.

In advance of production, the manufacturers are required to provide the Administrator with extensive test data demonstrating the effectiveness of the vehicle's emission control and the ability of the emission control system to remain effective over the useful life of a vehicle (50,000 miles). In addition to the submission of test data on the prototype test vehicles the manufacturers are required to deliver the test vehicles to the Federal Testing Laboratory at Ann Arbor, Mich. At this facility the vehicles are retested by Federal engineers to assure conformity with the regulations.

The regulations require a manufacturer to test a selection of prototype vehicles which will represent the models to be sold to the public. These vehicles are grouped into two separate fleets. One fleet, known as the emission data fleet, is designed to reflect the emissions of relatively new vehicles. The vehicles in this fleet are driven for 4,000 miles, to break in the engine and stabilize emissions; they are then tested. The second fleet, known as the durability data fleet, is designed to determine the capability of the emission control system to keep emissions within the standards over the expected useful life of the vehicle. The vehicles in this fleet are driven for 50,000 miles and tested for compliance with the regulations every 4,000 miles. The test data from these two fleets are combined in accordance with formulae specified in the regulations, to determine compliance with the emission standards. If all the motor vehicles in an engine family so tested are found to conform with the regulations, the manufacturer is granted a Certificate of Conformity.

FEDERAL CERTIFICATION DATA

The average emission levels measured for each model certified as of November 9, 1971, for the 1972 model year are listed below. This data will be updated when the manufacturers whose certification is presently pending complete their test programs. This listing should not be construed as an endorsement by the Environmental Protection Agency of any manufacturer's vehicles or models.

The detailed test results are now available for public inspection at the Office of Air Programs, EPA, 2565 Plymouth Road, Ann Arbor, MI 48103, and may be obtained upon written request to the Administrative Officer at the same address. Requests should specify the vehicle of interest by make, model, model year, and engine displacement. Fees for supplying data will be charged according to the following schedule:

1. Search for records—$2.50 per one-half hour.
2. Reproduction, duplication, or copying of records—$0.20 per page.
3. Certification of authentication of records—$4 per certification.

The emission levels listed below summarize the test data developed in the certification program.

Dated: January 26, 1972.

WILLIAM D. RUCKELSHAUS,
Administrator.

1972 MODEL YEAR LIGHT DUTY VEHICLES

Manufacturer (models)	Engine family		Certification levels					
			Test vehicle			Exhaust emission (grams/mile)		Evaporative emissions (gms/test)
	Displacement (cubic inches)	Family designation	Model	Engine displacement (cubic inches)	Transmission	Hydrocarbons	Carbon monoxide	Hydrocarbons
Alfa Romeo:								
Berlina (115.00) GT Veloce (115.01) Spider (115.02).	119	Fuel Injection.	2000 GT VE	119.7	M5	2.37	17.14	0.06
			2000 GT VE	119.7	M5	2.16	20.85	0.01
American Motors Corp.:								
Hornet, Matador, Gremlin, Matador Wagon, Javelin, Ambassador.	232-258	I	Hornet	232	A3	2.40	24.71	0.01
			Gremlin	232	M3	2.44	21.36	0.01
			Matador	258	M3	2.62	18.39	0.03
			do	258	A3	2.49	29.43	0.08
Hornet, Matador, Gremlin, Ambassador, Javelin.	304	II	do	304	A3	2.65	29.93	0.51
			Ambassador	304	A3	2.84	34.23	0.27
			Javelin	304	M3	2.35	27.07	0.52
Hornet, Ambassador, Javelin, Ambassador Wagon, Matador.	360-401	III	Ambassador	360	A3	2.79	37.06	0.43
			Javelin	360	A3	2.47	17.90	0.47
			do	360	M4	3.26	34.27	0.90
British-Leyland:								
MG Midget	77.9	'A'	Midget	77.9	M4	2.74	24.75	0.0
			do	77.9	M4	1.59	18.23	0.05
Spitfire	79	Triumph	Spitfire	79	M4	2.04	21.66	0.04
		TC	do	79	M4	1.69	30.34	0.30
MGB Sports, MGB GT	109.6	'B'	MGB Sports	109.6	M4	2.14	26.83	0.0
			do	109.6	M4	1.48	13.84	0.0
TR6, GT6	122-152	Triumph	TR6	152	M4	2.70	21.30	0.11
		TR	TR6	152	M4	1.70	20.47	0.11
			GT6	122	M4	2.05	20.01	0.11
			GT6	122	M4	2.19	26.36	0.50
Stag	183	Triumph	Stag	183	M4	2.58	17.59	0.22
		TA	do	183	Auto	2.55	32.64	1.89

1972 MODEL YEAR LIGHT DUTY VEHICLES—Continued

Manufacturer (models)	Engine family		Certification levels					
			Test vehicle			Exhaust emission (grams/mile)		Evaporative emissions (gms/test)
	Displacement (cubic inches)	Family designation	Model	Engine displacement (cubic inches)	Transmission	Hydrocarbons	Carbon monoxide	Hydrocarbons
British-Leyland—Continued								
Jaguar XJ6 Sedan, Jaguar XK-E Series III	258	4.2L	Jaguar XK-E	258	M4	0.38	32.39	0.00
			Jaguar XJ6	258	A3	1.03	27.47	0.00
Jaguar XJ12 Sedan, Jaguar XK-E Series III	326	V12	Jaguar XK-E	326	M4	2.43	24.47	0.00
			Jaguar XJ12	326	A3	2.68	30.80	0.01
BMW:								
2002, 2002 tii	121.3	121	2002	121.3	M4	2.22	32.43	0.50
			2002	121.3	M4	1.66	27.21	0.34
			2002	121.3	M4	1.91	31.23	0.32
			2002	121.3	A3	2.83	37.83	1.43
			2002 tii	121.3	M4	1.56	19.36	1.38
			2002 tii	121.3	M4	2.05	23.60	1.30
			2002 tii	121.3	M4	3.13	32.24	0.42
Chrysler Corp.:								
Valiant, Duster, Scamp, Dart, Demon, Swinger, Barracuda, Challenger, Satellite, Road Runner, Coronet, Charger, Fury, Polara, Dodge Truck (D-100, W-100, Sportsman, Sportsman Wagon, Van).	198-225	RG	Valiant	225	A3	2.61	20.81	0.06
			do	225	A3	2.47	20.65	1.57
			Dodge	198	M3	2.22	15.88	0.12
			B1-Van	225	M3	2.76	25.23	1.34
			Valiant	198	A3	2.39	22.44	0.18
			Coronet	225	M3	2.59	36.37	0.06
Valiant, Duster, Scamp, Dart, Demon, Swinger, Barracuda, 'Cuda, Challenger, Satellite, Road Runner, Coronet, Charger, Fury, Custom Suburban, Gran Coupe, Gran Sedan, Sport Suburban, Polara, Monaco, Dodge Truck (D-100, W-100, B-300, Wagon, Sportsman, Van, Sportsman, Wagon).	318-340-360	LA	Satellite	318	A3	2.92	20.25	0.09
			Plymouth	360	A3	2.38	16.76	0.93
			Satellite	318	A3	2.15	35.68	0.29
			do	340	A3	2.86	13.74	0.24
			Wagon	318	A3	2.58	17.82	0.11
			Charger	340	M4	2.33	12.27	0.21
			B-3 Sport Wagon	360	A3	2.76	28.45	0.11
Satellite, Road Runner, Coronet, Charger, Fury, Suburban, Gran Coupe, Gran Sedan, Polara, Monaco, Newport, Town & Country, Dodge Truck (D-100).	400	B	Chrysler	400	A3	2.70	17.56	0.58
			Coronet	400	A3	2.40	22.76	0.15
			Plymouth	400	A3	1.72	14.39	0.18
			Barracuda	400	M4	2.57	37.82	0.16
			Charger	400	M4	1.40	27.33	0.18
Satellite, Road Runner, Charger, Fury, Suburban, Gran Coupe, Gran Sedan, Polara, Monaco, Newport, New Yorker, Town and Country, Imperial.	440	RB	Chrysler	440	A3	2.47	14.47	0.31
			Imperial	440	A3	2.44	18.30	0.07
			Chrysler	440	A3	1.27	33.64	0.33
			Coronet	440	M4	1.94	23.31	0.12
			Charger	440	A3	2.30	29.85	0.07
			Chrysler	440	A3	1.44	19.98	0.12
Chrysler United Kingdom:								
Plymouth Cricket; Hi-Line, Lo-Line, Wagon.	91.41	91 CID	Cricket BE-1	91.41	A3	2.35	26.30	0.19
			Cricket BE-2	91.41	M4	1.55	11.74	0.19
Citroen:								
DS21 Sedan, DS21 Station Wagon, D Special Sedan.	121.0-132.5	D	DS21 Sedan	132.5	M4	2.14	27.97	0.0
			do	132.5	A3	2.40	31.25	0.0
			D Special Sedan	121.0	M4	2.95	36.10	0.0
SM Coupe	163	S	SM Coupe	163	A3	2.01	20.56	0.0
			do	163	M5	1.40	13.24	0.0
Daimler-Benz AG:								
220/8	134	I	220/8	134	M4	1.66	21.93	0.0
			220/8	134	A4	2.45	20.40	0.0
250/8, 250 C/8, 280 SE/8	160.5	II	250/8	169.5	A4	1.96	18.74	0.0
			250 C/8	169.5	A4	2.31	24.62	0.45
			280 SE/8	169.5	A4	3.08	38.39	0.80
			280 SE/8	169.5	A4	2.91	15.88	0.0
280 SE-4.5, 280 SEL-4.5, 300 SEL-4.5, 450 SL.	276	III	280 SEL-4.5	276	A3	2.58	29.29	0.21
			450 SL	276	A3	2.74	31.82	0.39
600	386.3	IV	300 SEL-6.3	386.3	A4	2.18	20.68	0.18
			600	386.3	A4	2.48	24.21	1.58
Ford Motor Co.:								
Pinto	98	1.6L	Pinto	98	M4	3.21	21.10	0.42
			do	98	M4	3.10	19.80	0.10
Pinto	122	2.0L	do	122	M4	3.06	29.38	0.18
			do	122	A3	2.56	23.86	0.20
			do	122	A3	2.15	24.34	0.20
Capri	159	2.6L	Capri	159	A3	2.72	18.19	0.56
			do	159	M4	2.78	13.74	0.22
Maverick, Comet, Bronco	170-200	170-200	Maverick	200	A3	2.69	29.04	0.43
			do	200	M3	2.35	29.33	0.27
			do	170	M3	2.40	20.55	0.59
			Bronco	170	M3	2.67	15.24	0.0
F-100, E-100 Van, E-200 Van, Club Wagon	240	240	F-100 Pickup	240	M3	2.31	30.94	1.02
			E-100 Van	240	M3	2.18	28.62	0.0
			F-100 Pickup	240	M4	1.72	21.72	0.35
			E-300 Van	240	M3	3.18	33.49	0.0
Torino, Maverick, Montego, Montego Station Wagon, Mustang, Grande, Comet.	250	250	Torino	250	A3	2.87	32.56	0.88
			Maverick	250	A3	2.82	19.18	0.83
			Torino	250	M3	2.25	36.28	0.84
			Torino Station Wagon	250	M3	2.13	31.84	1.05
			Torino	250	A3	2.36	35.88	0.17
Torino, Ranchero, Comet, Ford, LTD, Custom Ranch Wagon, Country Sedan, Country Squire, Mustang, Grande, Mach I, Montego, Montego Station Wagon, Maverick, E-100 Van, E-200 Van, Club Wagon, F-100, Bronco.	302	302	Torino	302	A3	2.20	18.52	1.63
			Mustang	302	A3	1.96	16.60	0.30
			E-300 C. W	302	A3	2.72	37.25	0.07
			F-100 Pickup	302	M3	2.64	25.36	1.90
			Torino S. W	302	A3	2.49	19.24	1.12
			Bronco	302	M4	2.53	23.69	0.05
Mustang, Grande, Mach I, Cougar, Torino, Ranchero, Montego, Montego Station Wagon, Ford, LTD, Custom Ranch Wagon, Country Sedan, Country Squire, Mercury Monterey.	351	351C-2V	Torino	351	A3	2.89	23.52	0.48
			Cougar	351	A3	2.41	26.74	0.26
			Ford Station Wagon	351	A3	2.49	18.27	0.48
			Torino	351	A3	1.92	29.57	0.0
Mustang, Grande, Mach I, Mustang HO, Cougar, Torino, Ranchero, Montego, Montego Station Wagon, Ford, LTD, Montego Station Wagon.	351	351C-4V	Torino	351	A3	2.63	27.75	1.10
			Mustang	351	M4	3.40	28.03	0.04
			Montego Station Wagon	351	M4	3.02	29.79	0.40
			Mustang HO	351	M4	3.30	13.06	1.17
Ford, LTD, Custom Ranch Wagon, Country Sedan, Country Squire, Mercury Monterey.	351	351-W	Ford	351	A3	1.32	20.70	0.0
			Mercury	351	A3	1.80	15.28	0.34
			Ford	351	A3	1.76	10.06	1.24

1972 MODEL YEAR LIGHT DUTY VEHICLES—Continued

Manufacturer (models)	Engine family		Certification levels					
			Test vehicle			Exhaust emission (grams/mile)		Evaporative emissions (gms/test)
	Displacement (cubic inches)	Family designation	Model	Engine displacement (cubic inches)	Transmission	Hydrocarbons	Carbon monoxide	Hydrocarbons
Ford Motor Co.—Continued								
F-100	360-390	360-390	F-100 Pickup	360	A3	2.30	17.76	1.34
			do	360	M3	2.83	29.68	0.56
			do	390	A3	2.87	22.14	1.13
			do	390	M4	2.57	27.55	0.01
Ford, LTD, Custom Ranch Wagon, Country Sedan, Country Squire, Torino, Ranchero, Mercury Monterey, Monterey Station Wagon, Marquis Station Wagon, Montego, Montego Station Wagon, Thunderbird.	400	400	Ford	400	A3	2.30	23.48	0.18
			Mercury	400	A3	1.34	30.15	0.61
			do	400	A3	1.92	19.32	0.36
			Torino Station Wagon	400	A3	2.34	16.74	0.22
			Ford	400	A3	1.36	27.05	1.31
Mercury Monterey, Marquis, Ford, LTD, Country Sedan, Country Squire, Torino, Ranchero, Montego, Montego Station Wagon, Lincoln Continental, Continental Mark IV.	429-460	429-460	Mercury	429	A3	2.91	24.68	0.11
			Ford	429	A3	2.84	23.73	0.08
			Thunderbird	429	A3	2.73	25.30	0.08
			Lincoln	460	A3	3.05	19.83	0.38
			Mark IV	460	A3	2.92	22.84	0.29
			Lincoln	460	A3	1.80	22.11	0.08
Ford Motor Co., Ltd.:								
Pinto	98	1.6	Capri	98	M4	2.89	23.45	0.37
			Cortina	98	M4	3.06	25.55	0.13
Pinto	122	2.0	Capri	122	A3	2.39	36.78	0.18
			do	122	M4	2.67	22.55	0.20
			Cortina	122	M4	2.84	32.75	0.18
			do	122	A3	2.32	20.05	0.18
General Motors Corp.:								
Opel, Opel 1900, Opel GT	115.8	GM-601	Opel 1900	115.8	M4	2.13	25.65	0.50
			do	115.8	M4	2.66	32.66	0.08
			do	115.8	A3	1.47	19.29	0.47
			do	115.8	M4	2.35	27.57	0.42
Vega 2300 Sedan, Vega Kammback Wagon, Vega Panel Express, Vega 2300 Coupe.	140	GM-101	Vega Sedan	140	M3	1.63	31.56	0.0
			do	140	A2	1.97	15.53	0.0
			Vega Coupe	140	M4	3.10	29.66	0.18
			do	140	A3	1.75	22.47	0.06
			do	140	M4	2.46	21.87	0.15
			Vega Kammback	140	A2	1.26	16.11	0.29
Lemans Wagon, Camaro, El Camino, Greenbriar, Bel Air, C-10 Blazer, P-10 Step Van, G-30 Sportvan, K-10 Convertible Truck, Chevrolet, Lemans, Ventura II, Chevelle, El Camino Custom, Concours, Impala Custom, K-10 Blazer, G-20 Van, C-10 Suburban, K-10 Suburban.	250	GM-102	Nova	250	A2	1.58	10.53	0.01
			C-10 Pickup	250	M3	2.31	29.13	0.07
			Chevelle	250	A2	1.44	9.21	0.32
			G-30 Van	250	M3	2.70	29.11	0.05
			do	250	M3	1.77	14.68	0.07
			K-20 Suburban	250	M4	1.42	23.36	0.0
K-20 Suburban, G-Van, Firebird, Nova, Malibu, Biscayne, G-10 Van, C-10 Conv., Truck, G-20 Sportvan, C-20 Suburban, C-Truck.	250	GM-102						
Nova, Malibu, Nomad, C-10 Blazer, K-10 Conv. Truck, K-10 Suburban, Ventura II, Camaro, El Camino, Greenbriar, K-10 Blazer, C-10 Suburban, K-20 Suburban, Chevelle, El Camino Custom, Concours, C-10 Conv. Truck, G-10 Van, C-20 Suburban.	307	GM-103	Chevelle	307	A3	2.77	16.24	0.0
			C-10 Pickup	307	A3	2.51	20.16	0.0
			K-10 Pickup	307	M3	2.34	21.21	0.09
			C-10 Suburban	307	M3	2.42	19.04	0.0
			Camaro	307	A3	1.96	11.38	0.15
			C-10 Pickup	307	M3	2.28	12.02	0.13
F-85, Cutlass Supreme, Delta 88 Royale, Cutlass, Vista Cruiser, Cutlass Cruiser, Cutlass S Coupe, Delta 88.	350	GM-301	Cutlass	350	A3	2.51	21.84	0.12
			Delta 88	350	A3	2.37	26.92	0.08
			Cutlass S	350	M4	2.40	24.67	0.24
			Vista Cruiser	350	A3	2.76	20.16	1.89
Skylark, LeSabre, LeSabre Custom, Sportwagon, GS-350.	350	GM-401	Skylark	350	A3	2.54	16.53	0.16
			GS-350	350	A3	2.21	21.65	0.31
			LeSabre Custom	350	A3	2.17	18.51	0.16
			LeSabre	350	A3	2.64	18.19	0.18
			GS-350	350	M4	2.08	11.48	0.0
			LeSabre	350	A3	1.83	20.10	0.08
Camaro, El Camino, Greenbriar, Monte Carlo, Impala, Townsman, Chevrolet, G-10 Van, K-10 Conv. Truck, K-20 Suburban, K-10 Suburban, G-10 Sportvan, Chevelle, El Camino Custom, Concours, Biscayne, Impala Custom, Kingswood, Corvette, G-20 Van, G-30 Van, C-10 Blazer, G-20 Sportvan, Kingswood Estate, Malibu, Nomad, Concours Estate, Bel Air, Brookwood, Nova, C-10 Conv. Truck, C-10 Suburban, C-20 Suburban, K-10 Blazer, Caprice.	350-400	GM-104	Chevrolet	350	A3	2.65	19.71	0.06
			Caprice	400	A3	2.43	13.95	0.11
			C-20 Suburban	350	M3	2.64	38.55	0.06
			Chevelle	350	M4	1.49	18.24	0.11
			Corvette	350	M4	2.00	34.00	1.81
			Kingswood	400	A3	1.56	19.10	0.0
Lemans, Firebird Esprit, Ventura II, Grand Safari, Lemans Luxury, Firebird Formula, Catalina, Bonneville, Lemans Sport, Lemans Wagon, Safari.	350-400-455	GM-201	Catalina	400	A3	2.44	26.75	0.0
			Lemans	350	A3	2.66	26.73	0.0
			do	350	M4	2.13	28.47	0.0
			Grand Safari	455	A3	2.20	19.89	0.13
			do	400	A3	1.93	20.44	0.0
Lemans, Firebird Formula, Grand Prix, Grand Safari, Firebird Trans AM, Lemans Sport, Lemans Wagon, GTO, Bonneville, Lemans Luxury, Catalina, Safari, Grandville.	400-455	GM-202	Grandville	455	A3	1.76	9.64	0.0
			GTO	400	A3	1.68	12.34	0.03
			GTO	400	M4	2.09	15.77	0.0
			Firebird	455	M4	1.51	12.79	0.0
			Safari	400	A3	2.67	14.66	0.0
Chevelle, El Camino Custom, Concours, C-10 Suburban, Monte Carlo, Bel Air, Brookwood, Kingswood Estate, Malibu, Nomad, Concours Estate, C-20 Suburban, Caprice, Impala, Townsman, Corvette, El Camino, Greenbrier, C-10 Convertible Truck, Camaro, Biscayne, Impala Custom, Kingswood.	402-454	GM-105	Biscayne	402	A3	1.49	13.00	0.14
			Chevelle	402	A3	1.26	8.57	0.14
			Corvette	454	M4	0.84	14.60	0.29
			Kingswood	454	A3	1.10	10.58	0.29
			C-20 Suburban	402	M4	2.15	15.01	0.14
			Monte Carlo	454	A3	1.46	7.68	0.14

1972 MODEL YEAR LIGHT DUTY VEHICLES—Continued

Manufacturer (models)	Engine family		Certification levels					
			Test vehicle			Exhaust emission (grams/mile)		Evaporative emissions (gms/test)
	Displacement (cubic inches)	Family designation	Model	Engine displacement (cubic inches)	Transmission	Hydrocarbons	Carbon monoxide	Hydrocarbons
General Motor Corp.—Continued								
F-85, Cutlass Supreme, Delta 88 Royale, Toronado, Cutlass, Vista Cruiser, Ninety-Eight, Cutlass Cruiser, Cutlass S Coupe, Delta 88, Delta 88 Custom Cruiser.	455	GM-302	Ninety-Eight	455	A3	2.41	22.59	0.08
			Eighty-Eight	455	A3	1.88	27.12	0.04
			Cutlass Supreme	455	M4	2.61	27.20	0.12
			Eighty-Eight	455	A3	2.53	24.66	0.01
			Custom-Cruiser	455	A3	2.66	26.98	0.05
			Toronado	455	A3	2.13	32.05	0.27
Electra, Centurion, Stage 1, LeSabre, Riviera GS, Estate Wagon, Riviera, GS 455.	455	GM-402	GS 455	455	A3	2.01	21.52	0.80
			Centurion	455	A3	2.77	28.34	0.90
			Estate Wagon	455	A3	2.54	22.74	0.80
			Electra 225	455	A3	2.38	18.13	0.83
			GS 455	455	M4	1.27	21.76	0.08
			Riviera	455	A3	2.25	18.52	0.25
Calais, Brougham, Eldorado, Deville, Seventy-Five, Fleetwood, Commercial Chassis.	472	GM-501	Sedan Deville	472	A3	0.85	25.44	0.14
			do	472	A3	1.22	25.39	0.15
			Coupe Deville	472	A3	1.02	12.21	0.0
			Eldorado	472	A3	1.26	33.54	0.0
International Harvester Co.:								
Scout II 4 x 4, Scout II 2 x 4	196	4-196	Scout II	196	M3	2.52	33.60	1.53
			do	196	M3	1.91	20.83	0.18
Scout II 4 x 2, Scout II 4 x 4, 1010, 1110(4 x 2), 1110(4 x 4), 1210(4 x 2), 1210(4 x 4).	258	6-258	do	258	M3	2.23	36.00	0.94
			do	258	M3	1.71	17.77	0.52
			T'All (1210)	258	M3	2.43	27.94	0.71
Scout II 4 x 2, Scout II 4 x 4, 1010 Pickup, 1110 Pickup 4 x 2, Scout II, 1010, 1110 (4 x 2), 1110 (4 x 4), 1210 (4 x 2), 1210 (4 x 4).	304	V-304	Scout II	304	M3	2.68	25.00	1.49
			do	304	M3	2.67	31.56	0.68
			1000 D Pickup	304	M3	2.36	29.31	1.00
			1110 D Pickup	304	M3	2.48	27.34	0
			1000 T'All	304	A3	1.71	20.22	0
Scout 4 x 2, Scout 4 x 4, 1010, 1110 (4 x 2), 1110 (4 x 4), 1210 (4 x 2), 1210 (4 x 4).	345	V-345	T'All 1010	345	A3	3.01	20.94	0.16
			1000 D Pickup	345	M3	2.40	29.13	0.0
			T'All 1010	345	A3	2.25	29.09	0.22
			1000 D Pickup	345	M3	2.66	30.01	0.40
1010, 1110 (4 x 2), 1110 (4 x 4), 1210 (4 x 2), 1210 (4 x 4).	392	V-392	T'All 1010	392	A3	1.90	35.88	0.30
			T'All 1010	392	A3	1.62	23.83	0
			1100 D Pickup	392	M4	1.61	33.06	0.06
Isuzu Motors Ltd.:								
KB30 Pickup Truck	110.8	G-180	KB30	110.8	M4	1.49	18.98	0.02
			KB30	110.8	M4	2.45	27.10	0.30
Jeep Corp.:								
Universal, Gladiator, Jeepster, Wagoneer	232-258	I	Universal	322	M3	1.94	26.82	0.04
			do	258	M3	2.04	25.92	0.15
			Gladiator	258	M3	2.83	31.69	0.01
Universal, Jeepster, Wagoneer, Gladiator	304	II	Universal	304	M3	2.71	28.11	0.07
			Jeepster	304	M3	2.40	28.42	0
			Wagoneer	304	A3	2.39	26.59	0.31
			Universal	304	M3	1.92	25.39	0.03
			Gladiator	304	M3	2.58	24.19	0
Wagoneer, Gladiator	360	III	Wagoneer	360	A3	2.68	28.32	0.82
			Gladiator	360	M3	2.64	31.60	0.25
			do	360	M3	2.46	23.84	0.10
Mitsubishi Motors Corp.:								
Dodge Colt	97.5	4G3SEM-01	Dodge Colt	97.5	M4	2.10	25.05	0.60
			do	97.5	A3	1.62	21.30	0.02
Nissan Motor Co., Ltd.:								
LB110TU, KLB110AU, LB110AI, KLB110TU.	71.5	Nissan-1 A12	LB110AU	71.5	A3	1.65	22.68	0.30
			LB110TU	71.5	M4	2.07	19.93	0.0
PL510TU, WPL510AU, PL510AU, PL521TU, WPL510TU.	97.4	Nissan-2 L16	PL510TU	97.4	M4	2.43	20.67	0.11
			PL521TU	97.4	M4	2.37	19.12	0.12
			WPL510AU	97.4	A3	1.78	19.35	0.42
			PL521TU	97.4	M4	2.03	19.60	0.20
HLS30U, HLS30UA	146	Nissan-3 L24	HLS30U	146	M4	2.50	25.00	0.01
			HLS30UA	146	A3	2.60	21.25	0.01
Peugeot:								
304 Sedan, 304 Station Wagon	78.6	XL3	304 Sedan	78.6	M4	2.44	23.04	0.10
			304 Station Wagon	78.6	M4	2.60	26.33	0.0
504 Sedan, 504 Station Wagon	120.3	XN1	504 Sedan	120.3	M4	2.50	25.72	0.0
			do	120.3	A3	2.68	29.63	0.0
			504 Station Wagon	120.3	M4	1.22	13.97	0.0
Porsche:								
911T, 911E, 911S, 914/6(T), 914/6(E), 914/6(S)	142.4	1	911T	142.4	M5	2.56	19.48	0.00
			911T	142.4	M5	2.88	15.10	0.40
			911T	142.4	Semi-auto	2.27	25.13	0.00
			911S	142.4	M5	2.55	21.77	0.00
Renault:								
R12, R15, R16	95.5	821	R16	95.5	M4	2.75	30.90	0.00
			R16	95.5	M4	3.14	27.30	0.00
			R16	95.5	A3	2.17	31.90	0.00
SAAB:								
95, 96, 97	103.5	P	95	103.5	M4	2.77	35.00	0.00
			96	103.5	M4	2.64	27.50	0.00
			97	103.5	M4	2.09	32.29	1.00
99	114.0	PE	99	114.0	M4	2.34	18.12	0.00
			99	114.0	A3	1.86	11.39	0.00
			99	114.0	A3	1.60	19.89	0.00
SS Automobiles, Inc.:								
Excalibur Roadster, Excalibur Phaeton	454	GM-105	Excalibur Phaeton	454	A3	1.60	9.89	0.14
Fuji Heavy Industries, Ltd.:								
Subaru 1300	77.32	A-6	1300	77.32	M4	3.10	16.84	0.21
			1300	77.32	M4	2.63	17.22	0.25
Toyo Kogyo Co., Ltd.:								
1200 Station Sedan, Station Coupe, BTAV Station Wagon, BTA65 Pickup.	71.39	Toyo 1	1200	71.39	M4	2.83	27.06	0.00
			1200	71.39	M4	2.33	20.68	0.10
Toyo Kogyo 2, 808 Station Wagon, SN3A Sedan, SN3A Coupe.	96.82	Toyo 2	808	96.82	A3	2.18	24.72	0.10
			808	96.82	M4	2.52	21.51	0.05
			808	96.82	A4	2.10	24.27	0.00
			808	96.82	M4	2.44	25.47	0.13
Toyo Kogyo 3, R100, M10A Coupe	60	Toyo 3	R100	60	M4	2.23	22.78	0.00
			R100	60	M4	2.58	17.56	1.41

1972 MODEL YEAR LIGHT DUTY VEHICLES—Continued

Manufacturer (models)	Engine family		Certification levels					
			Test vehicle			Exhaust emission (grams/mile)		Evaporative emissions (gms/test)
	Displacement (cubic inches)	Family designation	Model	Engine displacement (cubic inches)	Transmission	Hydrocarbons	Carbon monoxide	Hydrocarbons
Toyo Kogyo Co., Ltd.—Continued								
Toyo Kogyo 4, RX2, S122A Sedan, S122A Coupe.	70	Toyo 4	RX2	70	M4	2.50	25.18	0.01
			RX2	70	M4	2.78	18.01	1.45
Toyo Kogyo 5, 1800, SVA Sedan, SVAV Station Wagon, BVD61 Pickup.	109.6	Toyo 5	1800 Sedan	109.6	M4	3.17	31.23	0.05
			do	109.6	A3	1.81	27.51	0.08
			1800 Pickup	109.6	M4	1.21	26.77	0.09
618, SV2A Sedan, SV2A Coupe	109.6	Toyo 5	618	109.6	A3	1.17	24.60	0.12
Toyota Motor Co.:								
Corolla, Carina	96.9	2T-C	Corolla	96.9	M4	2.40	18.93	0.15
			Carina	96.9	A3	2.25	17.20	0.35
Celica, Corona, Corona Mk II, ½ Ton Pickup.	120	18R-C	Corona Sedan	120	A3	1.91	26.60	0.31
			Corona Wagon	120	M4	2.43	20.60	0.41
Corona Mk II	137.4	2M	Mk II Sedan	137.4	A3	2.45	21.80	0.35
			Mk II Wagon	137.4	M4	2.51	24.01	0.16
Crown	156.4	4M	Crown	156.4	M4	2.34	28.10	0.24
			do	156.4	A3	2.28	19.94	0.00
Land Cruiser	236.7	F	Land Cruiser	236.7	M3	2.04	30.30	0.35
			do	236.7	M3	2.18	28.70	0.02
Volkswagen of America:								
Sedan II, Squareback Sedan, Convertible, Fastback Sedan, Karmann Ghia.	96.6	1	Sedan II	96.6	M4	2.25	34.25	0.00
			do	96.6	M4	1.79	29.99	0.00
			do	96.6	Semi-automatic	1.68	29.88	0.00
			Squareback 36	96.6	M4	1.95	19.62	0.07
			do	96.6	A3	1.91	19.28	0.10
			Sedan II	96.6	Semi-automatic	2.25	36.94	0.21
			Squareback 36	96.6	A3	1.28	16.99	0.00
914/4, Combination and Campmobile, S.W. 22/24, Sedan 41/42, Panel Truck 21, Pickup and Pickup + Double Cabin 26, Squareback Sedan 46.	102.5	2	914/4	102.5	M5	2.47	19.88	0.00
			Sedan 42	102.5	M4	2.36	36.14	0.00
			Camper	102.5	M4	3.01	29.78	0.00
			S.W. 22/24	102.5	M4	2.36	32.58	0.00
			Sedan 42	102.5	A3	1.97	19.49	0.00
			do	102.5	M4	2.61	34.50	0.00
Volvo:								
142-334, 142-336, 142-634, 142-635, 142-636, 144-334, 144-336, 144-634, 144-636, 145-334, 145-336, 145-634, 145-636, 182-635, 182-636, 183-635, 183-636.	121	B20	142-635	121	M4	1.38	28.20	0
			142-334	121	M4	3.18	16.31	0
			142-336	121	A3	1.54	15.10	0
			142-636	121	A3	1.46	21.22	0.07
164-134, 164-136, 164-635, 164-636	183	B30	164-134	182	M4	2.56	21.26	0
			164-136	182	A3	1.64	33.37	0
			164-635	182	M4	1.98	22.25	0
			164-636	182	A3	1.62	15.75	0
Audi:								
Audi Super 90, Audi 100 LS	107.5	1	100 LS	114.5	A3	1.83	32.05	0.00
	114.5	1	100 LS	114.5	M4	1.57	30.64	0.00
			100 LS	114.5	A3	1.76	29.98	0.00
			100 LS	114.5	M4	1.84	26.97	0.00
			Super 90	107.5	M4	1.83	24.04	0.04
Honda:								
Honda AN-600	36.5	1	(Exempt from emission control requirements)					
Rolls-Royce:								
Rolls-Royce Silver Shadow, Rolls-Royce Corniche, Bentley "T" Series, Bentley Corniche.	412	1	Silver Shadow	412	A3	2.14	23.46	0.10
			do	412	A3	2.40	23.23	0.40
			do	412	A3	2.23	23.13	0.13
Fiat S. p. A.:								
850 Sport Spider	55.08	100	850 Sport Spider	55.08	M4	2.43	17.40	0.56
			do	55.08	M4	2.44	23.78	1.09
128 Sedan, 128 Station Wagon	68.10	128	128 Sedan	68.10	M4	2.98	27.18	0.14
			do	68.10	M4	2.35	26.68	0.92
124 Special Sedan, 124 Special Station Wagon	87.75	124	124 Special Station Wagon.	87.75	M4	1.53	18.61	0.45
			124 Special Sedan	87.75	A3	1.45	27.87	1.24
			do	87.75	M4	2.54	26.31	1.25
124 Sport Spider 1600, 124 Sport Coupe 1600	98.13	125	124 Sport Coupe 1600	98.13	M5	2.63	30.96	0.00
			do	98.13	M5	2.35	24.84	0.76
Ferrari S. p. A.:								
Dino 246 GT Berlinetta, Dino 246 GT Spyder.	147.55	135	Dino 246 GT Berlinetta	147.55	M5	3.25	22.68	0.79
			Dino 246 GT Spyder	147.55	M5	1.91	24.94	0.49
365 GTB.4 Berlinetta, 365 GTB.4 Spyder, 365 GTC.4.	268	365	365 GTB.4 Berlinetta	268	M5	2.17	28.30	0.25
			365 GTB.4 Spyder	268	M5	1.90	31.16	0.74

1972 Model Year Heavy Duty Diesel Engines

Manufacturer (models)	Engine family		Test engines			Smoke emissions	
	Engine air aspiration	Family designation	Model	Rated horsepower	Maximum torque	Acceleration mode (percent Opacity)	Lug-down mode (percent Opacity)
General Motors Corp.:							
3L-53N, 4L-53N	Natural	L-53-N	4L-53N	136	282	5.6	5.6
			4L-53N	136	282	5.0	3.5
6V-53N, 8V-53N	do	V-53N	8V-53N	275	577	12.2	8.3
			8V-53N	275	577	9.9	5.3
6V-71N (2 VLV) coach	do	V-71N (2 VLV) coach	6V-71N (2 VLV) coach	198	556	2.9	2.2
			6V-71N (2 VLV) coach	198	556	5.1	4.1
6V-71N (4 VLV) coach, 8V-71N (4 VLV) coach	do	V-71N (4 VLV) coach	8V-71N (4 VLV) coach	280	770	1.4	1.0
			8V-71N (4 VLV) coach	280	770	1.4	1.3
3L-71N (4 VLV), 4L-71N (4 VLV), 6L-71N (4 VLV).	do	L-71N (4 VLV)	6L-71N (4 VLV)	250	610	11.5	4.0
			6L-71N (4 VLV)	250	610	6.1	2.0
6V-71N(4 VLV), 8V-71N (4 VLN), 12V-71N (4 VLV).	do	V-71N (4VLV)	12V-71N (4 VLV) 12V-71N (4 VLV)	500	1220	8.5	3.8
				500	1220	3.0	1.5
6V-71T, 8V-71T, 12V-71T	Turbo-charged.	V-71T	12V-71T	525	1450	9.6	1.0
			12V-71T	525	1450	11.0	2.8
6L-71T	do	L-71T	6L-71T	262	725	8.9	2.0
			6L-71T	262	725	15.2	1.8
Perkins Engines, Ltd.:							
NA 80	Natural	NA 80	NA 80	79	185	7.6	6.3
			NA 80	79	185	7.6	8.0
NA 120	do	NA 120	NA 120	116	270	10.9	14.1
			NA 120	116	270	11.7	9.6

1972 Model Year Heavy Duty Gasoline Engines

Manufacturer	Engine family		Certification levels		
				Exhaust emissions	
	Displacements (cubic inches)	Family designation	Displacement (cubic inches)	Hydrocarbons (parts per million)	Carbon monoxide (percent)
Chrysler Corp	225	RG	225	178	0.83
			225	152	0.95
	318, 360	LA	318	145	0.98
			318	131	0.53
			360	171	0.53
	361	LB	361	126	0.36
			361	176	0.57
	400	B	400	126	0.41
	413	RB	413	85	0.74
			413	127	0.77
Ford Motor Co	240, 300	240-300	300	96	0.41
			300	161	0.48
	302	302	302	161	0.24
	330, 361, 391	330-361-391	330MD	199	1.06
			330HD	160	0.59
			361	120	0.25
			391	170	0.80
	360, 390	360-390	360	207	0.74
			390	239	0.44
	401, 477, 534	401-477-534	401	129	0.30
			477	102	0.29
			534	123	0.49
General Motors Corp	250	GM111	250	130	0.59
			250	88	0.30
	292	GM112	292	106	0.43
	307, 350	GM113	307	123	0.87
			350	128	0.86
			350	162	0.99
			350	166	0.99
	366, 427	GM114	366	191	0.68
			427	169	1.12
	402	GM115	402	155	0.96
	351, 401, 478	GM811	351	185	1.15
			401	155	1.02
			401	129	0.67
			478	136	1.23
	637	GM812	637	115	1.13
Jeep Corp	360	III-360	360	143	0.31

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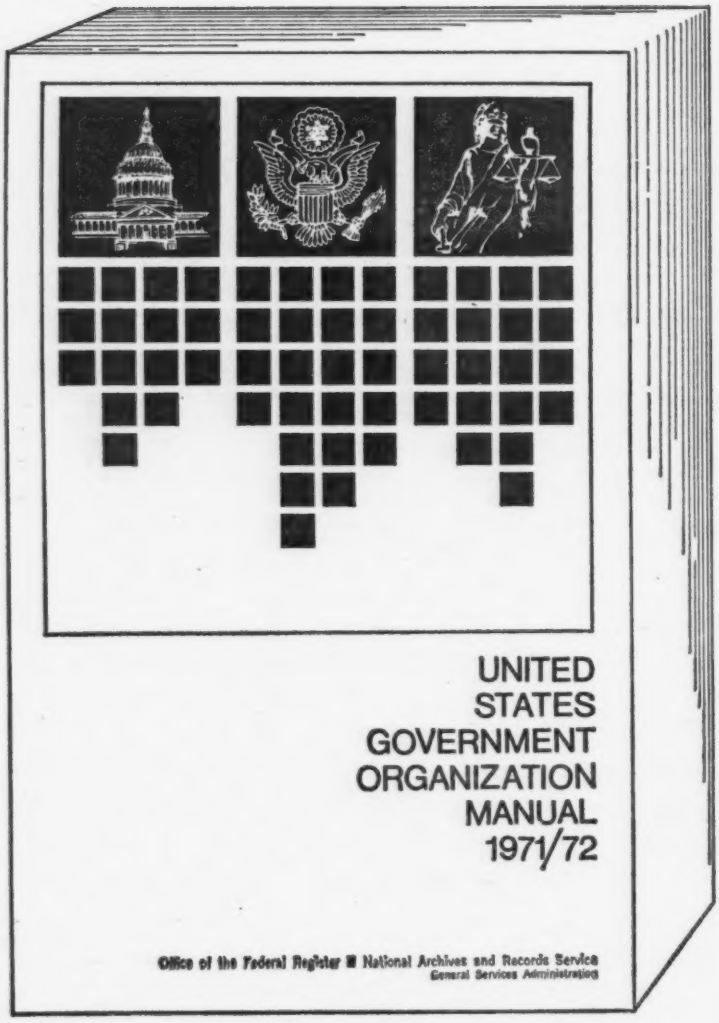

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